



From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION
(PCT Rule 61.2)

Date of mailing (day/month/year)
08 March 2001 (08.03.01)

To:
Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE
in its capacity as elected Office

International application No.
PCT/EP00/05732

Applicant's or agent's file reference
PF990042

International filing date (day/month/year)
21 June 2000 (21.06.00)

Priority date (day/month/year)
21 June 1999 (21.06.99)

Applicant

DENIAU, Eric et al

1. The designated Office is hereby notified of its election made:

in the demand filed with the International Preliminary Examining Authority on:

17 January 2001 (17.01.01)

in a notice effecting later election filed with the International Bureau on:

2. The election was

was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Claudio Borton

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TRACT

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

Date of mailing (day/month/year)

16 November 2001 (16.11.01)

To:

KOHRS, Martin
Thomson Multimedia
46, quai Alphonse Le Gallo
F-92648 Boulogne
FRANCE

Applicant's or agent's file reference

PF990042

IMPORTANT NOTIFICATION

International application No.

PCT/EP00/05732

International filing date (day/month/year)

21 June 2000 (21.06.00)

1. The following indications appeared on record concerning:

 the applicant the inventor the agent the common representative

Name and Address

THOMSON MULTIMEDIA
46, quai Alphonse Le Gallo
F-92100 Boulogne-Billancourt
France

State of Nationality

FR

State of Residence

FR

Telephone No.

Facsimile No.

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

 the person the name the address the nationality the residence

Name and Address

THOMSON LICENSING S.A.
46, quai Alphonse Le Gallo
F-92100 Boulogne-Billancourt
France

State of Nationality

FR

State of Residence

FR

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the elected Offices concerned
<input checked="" type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Beate GIFFO-SCHMITT

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY
PCT
INTERNATIONAL PRELIMINARY EXAMINATION REPORT

REC'D 13 NOV 2001

WIPO

PCT

(PCT Article 36 and Rule 70)

14

Applicant's or agent's file reference PF990042	FOR FURTHER ACTION		See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)																
International application No. PCT/EP00/05732	International filing date (day/month/year) 21/06/2000	Priority date (day/month/year) 21/06/1999																	
International Patent Classification (IPC) or national classification and IPC H04N5/445																			
Applicant THOMSON [MULTIMEDIA] LICENSING S.A IB																			
<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 6 sheets, including this cover sheet.</p> <p><input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of 3 sheets.</p>																			
<p>3. This report contains indications relating to the following items:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: right; padding-right: 5px;">I</td> <td style="padding-left: 5px;"><input checked="" type="checkbox"/> Basis of the report</td> </tr> <tr> <td style="text-align: right; padding-right: 5px;">II</td> <td style="padding-left: 5px;"><input type="checkbox"/> Priority</td> </tr> <tr> <td style="text-align: right; padding-right: 5px;">III</td> <td style="padding-left: 5px;"><input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td style="text-align: right; padding-right: 5px;">IV</td> <td style="padding-left: 5px;"><input type="checkbox"/> Lack of unity of invention</td> </tr> <tr> <td style="text-align: right; padding-right: 5px;">V</td> <td style="padding-left: 5px;"><input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td style="text-align: right; padding-right: 5px;">VI</td> <td style="padding-left: 5px;"><input type="checkbox"/> Certain documents cited</td> </tr> <tr> <td style="text-align: right; padding-right: 5px;">VII</td> <td style="padding-left: 5px;"><input checked="" type="checkbox"/> Certain defects in the international application</td> </tr> <tr> <td style="text-align: right; padding-right: 5px;">VIII</td> <td style="padding-left: 5px;"><input type="checkbox"/> Certain observations on the international application</td> </tr> </table>				I	<input checked="" type="checkbox"/> Basis of the report	II	<input type="checkbox"/> Priority	III	<input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	IV	<input type="checkbox"/> Lack of unity of invention	V	<input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	VI	<input type="checkbox"/> Certain documents cited	VII	<input checked="" type="checkbox"/> Certain defects in the international application	VIII	<input type="checkbox"/> Certain observations on the international application
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VIII	<input type="checkbox"/> Certain observations on the international application																		

Date of submission of the demand 17/01/2001	Date of completion of this report 09.11.2001
Name and mailing address of the international preliminary examining authority: European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Loeser, E Telephone No. +49 89 2399 8482



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/05732

I. Basis of the report

1. With regard to the elements of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):
Description, pages:

1-10 as originally filed

Claims, No.:

2-5,7,8 as received on 20/06/2001 with letter of 19/06/2001
1,6 with telefax of 25/10/2001

Drawings, sheets:

1,2 as originally filed

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- the language of publication of the international application (under Rule 48.3(b)).
- the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- contained in the international application in written form.
- filed together with the international application in computer readable form.
- furnished subsequently to this Authority in written form.
- furnished subsequently to this Authority in computer readable form.
- The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/EP00/05732

the description, pages:
 the claims, Nos.:
 the drawings, sheets:

5. This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):
(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims	1-8
	No:	Claims	
Inventive step (IS)	Yes:	Claims	1-8
	No:	Claims	
Industrial applicability (IA)	Yes:	Claims	1-8
	No:	Claims	

**2. Citations and explanations
see separate sheet**

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:
see separate sheet

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/EP00/05732

1. Concerning Section V - Articles 33(2) and 33(3) PCT

The following documents are cited - the numbering will be adhered to in the rest of the procedure:

D1: EP-A-0 823 798;
D2: JP-A-11 134 345 (Abstract);
D3: US-A-5 483 278.

1.1. Claim 1

(a)

D1 (abstract) discloses :

A method for managing data structures broadcast in a television system in a receiver of such a system. The method comprises the steps of

- storing a database set up from data selected from received data structures;
- detecting updating of data structures including data in the database;
- comparing, in case of such detection, data stored in the database and the corresponding data of the updating data structure.

When a difference between the data in the database and the data in the updating data structure is detected, a client application in the receiver is notified thereof. The detection of such a difference is tantamount to "consistency checking" (as in claim 1 on file). Accordingly, when updating data are received, a comparison is initiated/triggered.

Thus the claimed feature "step of triggering a consistency check between said <customised> list of services and the downloaded update of a list of services available to the receiver" is considered to be anticipated by D1 (the term "customized" relates to information content which is not technical and as such cannot establish a technical difference).

D1 and the updating disclosed therein pertain to transmitted and received service information (D1: p.2 line 5). Thus the database

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/EP00/05732

disclosed in D1 is to be seen as a database containing service information. A database, according to a normal interpretation thereof, represents a stored list of data, ie a stored list of service information, in the case of D1. Accordingly, the respective claimed "service lists" of claim 1 are also anticipated by D1.

The claimed feature "the moment for triggering being chosen by an application in said receiver, so as not to disrupt receiver use by said check" does not appear to be disclosed in D1.

(b)

It is to be noted that both documents D2 and D3 also deal with updating of stored data with received broadcast updating data. Data updating requires merging the updating data in to the stored data.

In D2, the updating data are "collated" with the stored data. Such activities require checking which item of the updating data corresponds to (ie is consistent" with) which of the stored data items, and require checking whether a stored data is to be updated because the updating data are different from it, or whether a stored data item can remain unchanged.

D3 (abstract) discloses a user interface having the capability of updating stored information related to downloaded programs, and in which an automatic correlation is made between user preference program information data and received updating data.

The claimed feature "the moment for triggering being chosen by an application in said receiver, so as not to disrupt receiver use by said check" does also not appear to be disclosed in, or suggested by, D2 or D3. Hence it is considered that claim 1 meets the requirements of novelty and inventive step (Art. 33(2), (3) PCT).

The invention is industrially applicable.

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/EP00/05732

1.2. Claim 6

The findings set out above in respect of claim 1 correspondingly apply to claim 6.

2. Concerning Section VII: Description and other belongings

The independent claims are cast in the two-part form as required by Rule 6.3(b) PCT, but the two-part form presently used is not correct in light of the disclosure of D1 (cf paragraph 1.1 above).

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the documents D1 to D3 cited above is not mentioned in the description, nor are these documents identified therein.

The statement of the invention in the introductory portion of the description is not matched with the invention as currently claimed in independent claims 1 and 6.

CLAIMS

1. Method for managing the service lists broadcast in a television system characterized in that, in a receiver of such a system, the method
5 comprises the step of :

storing at least one customized list of services;

providing an application programmable interface trigger for
triggering a consistency check between said at least one customized list of
services and a downloaded update of a list of services available to the
10 receiver.

2. Method according to claim 1, wherein said consistency check
comprises the step of verifying the absence of a service of a stored list in the
updated list, and in case such an absence is detected, in deleting said
15 service from the stored list.

3. Method according to claim 2, wherein the deletion of an absent
service from the stored list is carried out after a predetermined number of
checks revealing the absence of the service in the updated list.

20 4. Method according to one of the claims 1 to 3, wherein said
consistency check comprises the step of verifying the presence of a service
of a stored list in the updated list, and in case such presence is detected, in
comparing whether parameters relative to said detected service and stored
25 in said stored list are similar to parameters relative to said detected service in
the updated list, and in case of difference between the parameters, of
updating the parameters of the detected service in the stored list.

30 5. Method according to one of the claims 1 to 4, wherein a
consistency check of a stored list is triggered:

- (a) when an application for editing the at least one stored list is launched and/or
- (b) at a predetermined time of the day.

5 6. Receiver in a digital television system containing a central unit (23), reception means to receiving broadcasted services and services lists, memory (12) containing a program, a memory (6) for storing at least one customized list of services, characterized in that it comprises:

10 - a demultiplexer for demultiplexing an updated list of services available to the receiver;

 - means for checking the coherence between said at least one customized list of services and said updated list of services;

 - a memory for storing an application adapted to trigger the coherence check by said means.

15 7. Receiver in a digital television system according to claim 6, characterized in that it comprises means to allow the user to select a service of the customized list and means for controlling if said selected service is in the updated list of services, means for updating the customized list are triggered if the selected service is not in the updated list.

20 8. Receiver in a digital television system according to claim 7, characterized in that it comprises it comprises a counter which counts the number of checking of lists for that a selected service in a customized list is not in the updated list, and a erasing means which are activated when the counter reaches a predetermined value.

New Claims

Claim 1. Method for managing the broadcast service lists in a television receiver, the method comprising a previous step of receiving a downloaded update of a list of service (MPG) and a step of storing at least one customized list of services;

the method is characterized in that it comprises the step of triggering a consistency check between said at least one customized list of services and the downloaded update of a list of services available to the receiver, the moment for triggering being chosen by an application in said receiver, so as not to disrupt receiver use by said check.

Claim 6. Receiver for a digital television system, the receiver containing a central unit (23), reception means (2,3,4,5,6) for receiving and storing broadcast services and services lists, a memory (12) containing a program, a memory (6) for storing at least one customized list of services, characterized in that it comprises:

- means for checking the consistency between said at least one customized list of services and said broadcast list of services;

- a memory storing an application adapted to trigger the consistency check by said means, the checking of the consistency being triggerable by said application which carries out said triggering at a time chosen so as not to disrupt receiver use by said checking.

PATENT COOPERATION TREATY

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

KOHRs, Martin
THOMSON MULTIMEDIA
46 Quai Alphonse Le Gallo
92648 BOULOGNE Cedex
FRANCE

BEM	
THO	
12	
Patent Department Administration, Paris	

PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of mailing
(day/month/year) 09.11.2001

Applicant's or agent's file reference
PF990042

IMPORTANT NOTIFICATION

International application No. PCT/EP00/05732	International filing date (day/month/year) 21/06/2000	Priority date (day/month/year) 21/06/1999
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Applicant
THOMSON MULTIMEDIA

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/

European Patent Office
D-80298 Munich
Tel. +49 89 2399 - 0 Tx: 523656 epmu d
Fax: +49 89 2399 - 4465

Authorized officer

Schalinatus, D

Tel. +49 89 2399-8242



PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PF990042	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/EP00/05732	International filing date (day/month/year) 21/06/2000	Priority date (day/month/year) 21/06/1999
International Patent Classification (IPC) or national classification and IPC H04N5/445		
Applicant THOMSON MULTIMEDIA		

1. This International preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 6 sheets, including this cover sheet.

This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 3 sheets.

3. This report contains indications relating to the following items:

- I Basis of the report
- II Priority
- III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV Lack of unity of invention
- V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI Certain documents cited
- VII Certain defects in the international application
- VIII Certain observations on the international application

Date of submission of the demand 17/01/2001	Date of completion of this report 09.11.2001
Name and mailing address of the International preliminary examining authority: European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Loeser, E  Telephone No. +49 89 2399 8482

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/EP00/05732

I. Basis of the report

1. With regard to the elements of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

Description, pages:

1-10 as originally filed

Claims, No.:

2-5,7,8	as received on	20/06/2001 with letter of	19/06/2001
1,6	with telefax of	25/10/2001	

Drawings, sheets:

1,2 as originally filed

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- the language of publication of the international application (under Rule 48.3(b)).
- the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- contained in the international application in written form.
- filed together with the international application in computer readable form.
- furnished subsequently to this Authority in written form.
- furnished subsequently to this Authority in computer readable form.
- The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/EP00/05732

the description, pages:
 the claims, Nos.:
 the drawings, sheets:

5. This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or Industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims 1-8
	No:	Claims
Inventive step (IS)	Yes:	Claims 1-8
	No:	Claims
Industrial applicability (IA)	Yes:	Claims 1-8
	No:	Claims

2. Citations and explanations
see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:
see separate sheet

INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET

International application No. PCT/EP00/05732

1. Concerning Section V - Articles 33(2) and 33(3) PCT

The following documents are cited - the numbering will be adhered to in the rest of the procedure:

D1: EP-A-0 823 798;
D2: JP-A-11 134 345 (Abstract);
D3: US-A-5 483 278.

1.1. Claim 1

(a)

D1 (abstract) discloses :

A method for managing data structures broadcast in a television system in a receiver of such a system. The method comprises the steps of

- storing a database set up from data selected from received data structures;
- detecting updating of data structures including data in the database;
- comparing, in case of such detection, data stored in the database and the corresponding data of the updating data structure.

When a difference between the data in the database and the data in the updating data structure is detected, a client application in the receiver is notified thereof. The detection of such a difference is tantamount to "consistency checking" (as in claim 1 on file). Accordingly, when updating data are received, a comparison is initiated/triggered.

Thus the claimed feature "step of triggering a consistency check between said <customised> list of services and the downloaded update of a list of services available to the receiver" is considered to be anticipated by D1 (the term "customized" relates to information content which is not technical and as such cannot establish a technical difference).

D1 and the updating disclosed therein pertain to transmitted and received service information (D1: p.2 line 5). Thus the database

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/EP00/05732

disclosed in D1 is to be seen as a database containing service information. A database, according to a normal interpretation thereof, represents a stored list of data, ie a stored list of service information, in the case of D1. Accordingly, the respective claimed "service lists" of claim 1 are also anticipated by D1.

The claimed feature "the moment for triggering being chosen by an application in said receiver, so as not to disrupt receiver use by said check" does not appear to be disclosed in D1.

(b)

It is to be noted that both documents D2 and D3 also deal with updating of stored data with received broadcast updating data. Data updating requires merging the updating data in to the stored data.

In D2, the updating data are "collated" with the stored data. Such activities require checking which item of the updating data corresponds to (ie is consistent" with) which of the stored data items, and require checking whether a stored data is to be updated because the updating data are different from it, or whether a stored data item can remain unchanged.

D3 (abstract) discloses a user interface having the capability of updating stored information related to downloaded programs, and in which an automatic correlation is made between user preference program information data and received updating data.

The claimed feature "the moment for triggering being chosen by an application in said receiver, so as not to disrupt receiver use by said check" does also not appear to be disclosed in, or suggested by, D2 or D3. Hence it is considered that claim 1 meets the requirements of novelty and inventive step (Art. 33(2), (3) PCT).

The invention is industrially applicable.

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/EP00/05732

1.2. Claim 6

The findings set out above in respect of claim 1 correspondingly apply to claim 6.

2. Concerning Section VII: Description and other belongings

The independent claims are cast in the two-part form as required by Rule 6.3(b) PCT, but the two-part form presently used is not correct in light of the disclosure of D1 (cf paragraph 1.1 above).

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the documents D1 to D3 cited above is not mentioned in the description, nor are these documents identified therein.

The statement of the invention in the introductory portion of the description is not matched with the invention as currently claimed in independent claims 1 and 6.

10/019193

531 Rec'd PCT/FT 21 DEC 2001

New Claims

Claim 1. Method for managing the broadcast service lists in a television receiver, the method comprising a previous step of receiving a downloaded update of a list of services (MPG) and a step of storing at least one customized list of services;

the method is characterized in that it comprises the step of triggering a consistency check between said at least one customized list of services and the downloaded update of a list of services available to the receiver, the moment for triggering being chosen by an application in said receiver, so as not to disrupt receiver use by said check.

Claim 6. Receiver for a digital television system, the receiver containing a central unit (23), reception means (2,3,4,5,6) for receiving and storing broadcast services and services lists, a memory (12) containing a program, a memory (6) for storing at least one customized list of services, characterized in that it comprises:

- means for checking the consistency between said at least one customized list of services and said broadcast list of services;

- a memory storing an application adapted to trigger the consistency check by said means, the checking of the consistency being triggerable by said application which carries out said triggering at a time chosen so as not to disrupt receiver use by said checking.

CLAIMS

1. Method for managing the service lists broadcast in a television comprising a previous step of receiving a download update of a list (MPG) 5 and a step of storing at least one customized list of services;

the method is characterized in that it comprises the step of triggering a consistency check between said at least one customized list of services and the downloaded update of a list of services available to the receiver, the moment for triggering is chosen by an application.

10

2. Method according to claim 1, wherein said consistency check comprises the step of verifying the absence of a service of a stored list in the updated list, and in case such an absence is detected, in deleting said service from the stored list.

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3. Method according to claim 2, wherein the deletion of an absent service from the stored list is carried out after a predetermined number of checks revealing the absence of the service in the updated list.

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4. Method according to one of the claims 1 to 3, wherein said consistency check comprises the step of verifying the presence of a service of a stored list in the updated list, and in case such presence is detected, in comparing whether parameters relative to said detected service and stored in said stored list are similar to parameters relative to said detected service in 25 the updated list, and in case of difference between the parameters, of updating the parameters of the detected service in the stored list.

5. Method according to one of the claims 1 to 4, wherein a consistency check of a stored list is triggered:

30 (a) when an application for editing the at least one stored list is launched and/or

(b) at a predetermined time of the day.

6. Receiver in a digital television system containing a central unit (23), reception means (2, 3, 4, 5, 6) to receiving and storing broadcast services and services lists, memory (12) containing a program, a memory (6) for storing at least one customized list of services, characterized in that it comprises:

- means for checking the coherence between said at least one customized list of services and said broadcast list of services;
- 10 - a memory for storing an application adapted to trigger the coherence check by said means, the application calling the means for checking the coherence.

7. Receiver in a digital television system according to claim 6, characterized in that it comprises means to allow the user to select a service 15 of the customized list and means for controlling if said selected service is in the updated list of services, means for updating the customized list are triggered if the selected service is not in the updated list.

8. Receiver in a digital television system according to claim 7, characterized in that it comprises it comprises a counter which counts the 20 number of checking of lists for that a selected service in a customized list is not in the updated list, and a erasing means which are activated when the counter reaches a predetermined value.

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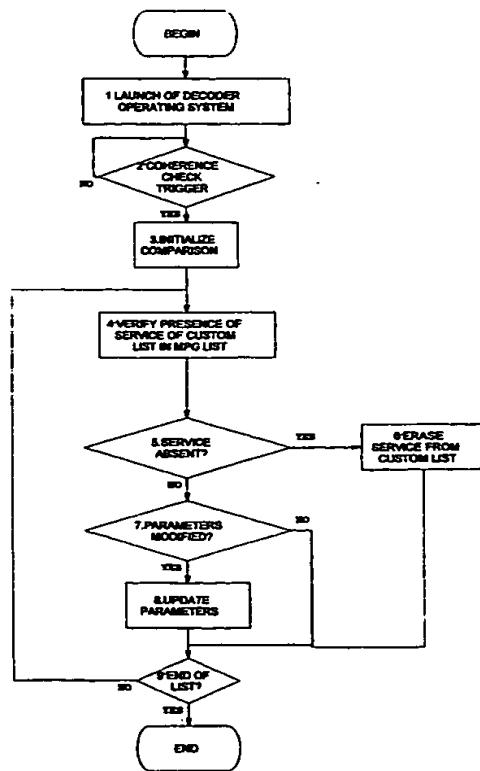
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[Continued on next page]

(54) Title: METHOD AND RECEIVER FOR MANAGING THE CONSISTENCY OF SERVICE LISTS IN DIGITAL TELEVISION SYSTEM



(57) Abstract: The present invention consists of a method for managing the consistency of service lists broadcasted by a digital television network, the service lists containing parameters corresponding to each broadcasted services and being received in a television receiver and stored in a memory, characterized in that, it comprises the step of: triggering means for updating the said stored list, consistency checking between at least one stored list of services and a received list of service, updating the stored list in the memory of receiver with at least one parameter of the second list. The invention can be used in the field of digital television.

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IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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INTERNATIONAL SEARCH REPORT

Int. Application No
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 823 798 A (THOMSON MULTIMEDIA SA) 11 February 1998 (1998-02-11) abstract page 3, line 45 - line 53; figure 1	1,6
A	---	4,7
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A	---	1,6
	US 5 483 278 A (STRUBBE HUGO J ET AL) 9 January 1996 (1996-01-09) the whole document	

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Date of the actual completion of the international search

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Fuchs, P

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PCT/EP 00/05732

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 96 07270 A (KWOH DANIEL S ;LEUNG ELSIE Y (US); MANKOVITZ ROY J (US); YUEN HENR) 7 March 1996 (1996-03-07) page 5, line 3 - line 16	1,6

INTERNATIONAL SEARCH REPORT

Information on patent family members

Intern. Application No.

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PF990042	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/EP 00/05732	International filing date (day/month/year) 21/06/2000	(Earliest) Priority Date (day/month/year) 21/06/1999
Applicant THOMSON MULTIMEDIA		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

contained in the international application in written form.

filed together with the international application in computer readable form.

furnished subsequently to this Authority in written form.

furnished subsequently to this Authority in computer readable form.

the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. Certain claims were found unsearchable (See Box I).

3. Unity of Invention is lacking (see Box II).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

**METHOD AND RECEIVER FOR MANAGING THE CONSISTENCY OF SERVICE LISTS IN DIGITAL
TELEVISION SYSTEM**

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

as suggested by the applicant.

because the applicant failed to suggest a figure.

because this figure better characterizes the invention.

2

None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

/EP 00/05732

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04N5/445 H04N5/44

According to International Patent Classification (IPC) or to both national classification and IPC

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IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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A	---	4, 7
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Authorized officer

Fuchs, P

INTERNATIONAL SEARCH REPORT

International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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